**C:\Users\abc\Desktop\bot_logo2.pngBOTMAN**

**SLACKBOT CREATION FRAMEWORK**

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**INTRODUCTION:**

Chatbots are on a rise. These are automated computer programs which respond to user queries by employing a suitable ML algorithm to gauge what the user is asking and reply appropriately. Bots have appeal and huge fan following not only among the developer community, but also among the non-developer tech community. People can now exploit the easy integration of their bots with the chat platforms like: ‘facebook’ and ‘slack’ to automate their mundane tasks, thereby saving time.

**PROJECT IDEA:**

In order to integrate a chat bot with a channel, there are a number of configuration steps involved- creating a web app project module, creating a cloud based repository to hold the source code, run the application on cloud so that the bot is active independent of the developer’s machine state and many more. Our idea is to provide a framework, which would assist a novice person with coding a bot, guide him through the process of setting up of the environment and deploy the bot on the cloud on a single button click. Thus by using our framework, which would be a hosted service, the user can focus more on the behavioral part of the bot and less on the configuration part.

**COMPETITIVE LANDSCAPE:**

There are only a few web applications which provides user with such a framework. Moreover these platforms are too strict with the bot behavior coding guidelines. They do not allow developers to include additional, rich packages of the underlying language. Looking at how a bot could be helpful for a person, a more liberal framework can definitely find its place in this competitive market.

**TECHNOLOGIES USED:**

**Front end-**

* HTML
* CSS
* Javascript
* Jquery
* Angular js

**Server side-**

* Node package manager
* Node js

**Platform for storage and deployment-**

* Github – It hold the code for the hosting the node application bot.
* Heroku – It is a cloud service for hosting the bot.

**ARCHITECTURE:**

Push bot to cloud and run it to make it live

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GIT



Create a heroku directory for deploying a bot

Register a new bot on a channel and obtain accesses token

**BOTMAN**

Upload bot source code Git



**USER INTERFACE FLOW:**

**CONCLUSION:**

**FUTURE SCOPE FOR THE PROJECT:**

**REFERENCES:**

*Project code:* [*https://github.com/SJSU272Lab/Fall16-Team30/tree/master/BotMan*](https://github.com/SJSU272Lab/Fall16-Team30/tree/master/BotMan)

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2. <https://www.sitepoint.com/custom-slackbot-with-node/>
3. <https://devcenter.heroku.com/articles>
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